

THE HP PRO® SOLUTION STANDARD HEAD SUPPORTS

Models	
Article No. : 25000/61 Model 1	
Article No. : 25000/83 Model 2	
Article No. : 25000/84 Model 3	
Article No. : 25000/88 Model 4	

A. GENERAL PRODUCT INFORMATION

The products referred to in these instructions are medical devices, used for patient positioning and immobilisation in radiation therapy. These head supports can be used during both the simulation and the treatment stage, including MRI simulation.

To attain an optimal result, it is recommended to use this product in combination with Orfit immobilisation products.

B. PRODUCT DESCRIPTION

The HP PRO® STANDARD HEAD SUPPORTS are accessories of the ORFIT HP PRO® SOLUTION. It is used in combination with the HP PRO® base plate and special 3 and 5 point masks and optionally a cranial stop to form a reproducible patient positioning and immobilization device. The head supports offer the opportunity to position the patient's head in a stable and reproducible way. Information on these other parts and instructions on how to make the masks can be found in the respective 'instructions for use' and on www.orfit.com.

A selection of four different models is available, to allow proper support of patients with different anatomies. Make sure to select the proper model for each patient, based on the patient's anatomy, in order to attain a stable and comfortable position.

The head supports are indexed to the base plate with 2 pins on the bottom of the indexing plate on the head support. These pins fall in the destined holes of the HP PRO base plate.



Figure 1 Bottom view of the head support

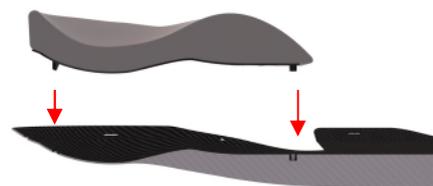


Figure 2 Indexing of the head support to the base plate

C. PRECAUTIONS FOR USE

Always use these devices in combination with HP PRO® base plates.

These head rests are primarily made of low density PE foam which degrades by radiation. If used in treatment we recommend to exchange them regularly with the same types from simulation so each head rest in the inventory receives a comparable dose.

To ensure proper functioning of the head supports, we recommend to replace the head supports every 2 years, or whenever wear and tear becomes visible.

Make sure to properly index both pins of the head support in the destined holes of the HP PRO base plate to ensure a stable and reproducible position of the patient.

This product is MR-safe.



D. STORAGE

Always store the products in a safe place to prevent them from getting damaged. Do not put heavy objects on the devices and prevent hard objects from falling onto it, because these will cause permanent damage.

Store the devices between +10°C (50°F) and 40°C (122°F).

E. PROPERTIES

E.1. Physical Properties

25000/61 – Model 1

Dimensions: L 228 mm
W 117 mm
H 51 mm
Weight: 0,05 kg

25000/83 – Model 2

Dimensions: L 219 mm
W 117 mm
H 51 mm
Weight: 0,05 kg

25000/84 – Model 3

Dimensions: L 246 mm
W 117 mm
H 72 mm
Weight: 0.05 kg

25000/88 – Model 4

Dimensions: L 236 mm
W 117 mm
H 72 mm
Weight: 0,05 kg

E.2. Mechanical Properties

The head supports are made of low density PE foam covered with a PU coating and have a good dimensional stability.

E.3 Dosimetric Properties

These head supports are made of low density foam that has the following dosimetric properties **per cm of material** through which the beam passes:

Attenuation (± 0.15 %)		Skin build-up (± 0.1 mm)
6 MV	15 MV	mm H ₂ O equiv.
0.15 %	0.05 %	0.39 mm/cm material

The indexing plate is made of ABS.

Note: Use these numbers as a guidance only. Perform the measurements again in your department to verify these results.

F. MAINTENANCE AND WASTE MANAGEMENT

These products can be cleaned and disinfected by means of an isopropanol based disinfectant, applied with a soft cloth. If unsure about the cleaning fluid, do not use. **Never use aerosol sprays, corrosive cleaning agents, solvents or abrasive detergents. Do not soak the cushions.** Further cleaning instructions can be found in the [Orfit Cleaning Guidelines](#). Periodic checks of the product should be done to insure the parts are not worn and require repair or replacement. **Do not attempt to make repairs yourself.** Contact your distributor if there are any questions or concerns. The products can be disposed of with household waste.

G. ADDITIONAL INFORMATION

For additional information such as distributor contact information, product brochures, Safety Data Sheets and regulatory information, please visit our website www.orfit.com.

Note:

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